



National Transportation Safety Board Aviation Accident Data Summary

Location:	Sugar Grove, IL	Accident Number:	CHI01LA255
Date & Time:	08/01/2001, 1131 CDT	Registration:	N136GR
Aircraft:	Beech A36	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Flight Test		

Analysis

The pilot/mechanic performed a forced landing on a bean field after a total loss of engine power during departure from the airport. The pilot/mechanic reported that he was performing a maintenance test flight when the engine quit at approximately 500 feet agl. He reported that the no fuel leaks were noted during a ground test run and no anomalies were noted during a run up prior to departure. The main fuel line to the flow divider was reported to have backed off.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the inadequate maintenance inspection and the unsuitable terrain encountered by the pilot mechanic. The fuel system leak was a contributing factor.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: CLIMB

Findings

1. (F) FUEL SYSTEM,LINE - LEAK
 2. (C) MAINTENANCE,INSPECTION - INADEQUATE - OWNER/PILOT MECHANIC
 3. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - ENCOUNTERED - OWNER/PILOT MECHANIC
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: EMERGENCY LANDING

Pilot Information

Certificate:	Private	Age:	46
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Glider	Instructor Rating(s):	None
Flight Time:	625 hours (Total, all aircraft), 25 hours (Total, this make and model), 585 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N136GR
Model/Series:	A36	Engines:	1 Reciprocating
Operator:	Luminair Aviation Services	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	IO-550-B
Flight Conducted Under:	Part 91: General Aviation - Flight Test		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ARR, 706 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 20000 ft agl	Wind Speed/Gusts, Direction:	10 knots / , 210°
Temperature:	31 °C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:	Aurora, IL (ARR)	Destination:	

Airport Information

Airport:	Aurora Municipal Airport (ARR)	Runway Surface Type:	Asphalt
Runway Used:	18	Runway Surface Condition:	Vegetation
Runway Length/Width:	3199 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	Mitchell F Gallo	Adopted Date:	06/03/2002
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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